



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

February 23, 2004

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: James W. Hagedorn (3AT23)

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Steve Hepler

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 04-0020  
ACHD Reference Number: 4945  
Carbonate Plant  
USS Clairton Works

Gentlemen:

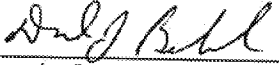
The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Daniel J. Belack at 233-1114.

Sincerely,

Anton Lukac  
Plant Manager  
Clairton Works

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 04-0020  
ACHD Reference Number: 4945
  2. Date & Time of Breakdown: Date: 02/23/04 Time: 0956 hours
  3. Company Name: U.S. Steel Corporation - USS Clairton Works
  4. Specific Equipment Involved or Affected: Carbonate Plant
  5. BAPC Permit Number (if applicable):
  6. Location: Clairton, PA
  7. Nature and cause of breakdown: Coke Oven Gas was passed through the Sulfur Plant. Maintenance work was being performed on a panel board that controls the automatic leveling of the carbonate absorber's sodium carbonate solution. The level was manually adjusted during this process and a momentary swing in adjustment resulted in a low solution level.
  8. Identification of Emissions:
    - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S in the down river gas line system, causing increased SO<sub>2</sub> at point of combustion. The 40 grain limit is not expected to be exceeded.
    - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is an eye, nose, and throat irritant.
    - C. Amount of each type emitted (or likely to be emitted).  
The 40 grain limit was not exceeded.
- | Chemical        | Quantity Released (lbs) |
|-----------------|-------------------------|
| CO              | 199                     |
| NO <sub>x</sub> | 40                      |
| SO <sub>2</sub> | 1589                    |
| NC              | 70                      |
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The carbonate absorber level was corrected and processing returned to normal.
  10. Facility back in operation - Date: 02/23/04 Time: 1020 hours

Signature  Date 2-26-04  
Daniel J. Belack  
Environmental Control Engineer Phone: 233-1114